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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,852	06/22/2006	Juha-Pekka Luoma	P2398US00	5013

30671 7590 01/27/2010
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EXAMINER

RAHMAN, MOHAMMAD N

ART UNIT	PAPER NUMBER
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2161

NOTIFICATION DATE	DELIVERY MODE
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01/27/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket@dcpatent.com

Office Action Summary	Application No. 10/539,852	Applicant(s) LUOMA ET AL.	
	Examiner MOHAMMAD N. RAHMAN	Art Unit 2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 April 2009.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) See Continuation Sheet is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) See Continuation Sheet is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 20 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>DS 11/06/2009</u> | 6) <input type="checkbox"/> Other: _____ |

Continuation of Disposition of Claims: Claims pending in the application are 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21- 23, 25 - 29, 31, 34, 43 - 45, 53-55, 58 - 61, and 75 - 77..

Continuation of Disposition of Claims: Claims rejected are 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21- 23, 25 - 29, 31, 34, 43 - 45, 53-55, 58 - 61, and 75 - 77..

DETAILED ACTION

1. This communication is regarding to the patent application no. 10/539,852. An appeal brief was previously filed by the applicant on 04/07/2009 and as to the respond, the examiner reopened the case and mailed a Non-Final Office action on 10/20/2009. However, there has been an error in that office action, some of the paragraphs in the Golden et al. reference are pointed out by the examiner by paragraphs, whereas, it should be written in columns and lines. Therefore, the examiner is here by with-drawing the last office action (mailed on 10/20/2009) and issuing this new Non-Final Office action. The applicant is suggested to disregard the last "Non-Final Office action" which was mailed on 10/20/2009.

2. In view of the Appeal Brief filed on 04/22/2009 PROSECUTION IS HEREBY REOPENED.

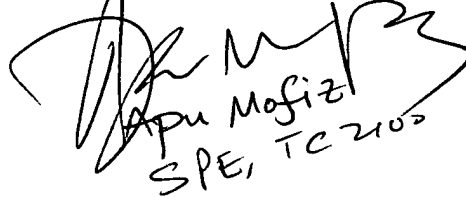
To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

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A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:



Apu Mofiz
SPE, TC 2102

3. This Office Action is in response to applicant's communication filed 04/07/2009 in response to PTO Office Action mailed 01/07/2009. The Applicant's remarks and amendments to the claims and/or the specification were considered with the results as follow.

4. **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21- 23, 25 - 29, 31, 34, 43 - 45, 53-55, 58 - 61, and 75 - 77** have been presented for examination in this application. As a result, **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21-23, 25-29, 31, 34, 43-45, 53-55, 58-61, and 75-77** are now pending.

Status of Claims

5. **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21-23, 25-29, 31, 34, 43-45, 53-55, 58-61, and 75-77** are pending. In particular, **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21-23, 25-29, 31, 34, 43-45, 53-55, 58-61, and 75-77** are rejected under 35 U.S.C. 103 (a).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21-23, 25-29, 31, 34, 43-45, 53-55, 58-61, and 75-77** are rejected under 35 USC 103 as obvious over Bell et al (U.S. Patent No. 7,181,526) in view of Rizzo et al (US Publication No. 2003/0147390) and further in view of Golden et al (U.S. Patent No. 6,272,127).

As to claim 1, Bell teaches, a method of announcing:

“providing a first set of announcements describing a plurality of multimedia sessions transmitted through a network” at “abstract”, “The present invention provides a modular description system for a media session in which session descriptions are constructed in a hierarchical manner providing a plurality of levels of information concerning the constituent parts of the described session...” at col. 4, lines 3-24 and col.6, lines 53-60, (announcing a description of a media session, for example a multimedia conference, that is to take place over multicast capable links is provided in networks configured for Internet Protocol operation).

Bell does not teach, "transmitting said first and second set of announcements; providing a second set of announcements describing at least one updated multimedia session";

However, Rizzo teaches, "transmitting said first and second set of announcements" at Fig. 7 and Paragraphs [0006], [0010] and [0012], (see "Multicast provides another approach to data transfer. In this approach a multicast server transmits data over one or more multicast channels" at Para. [0006], thus a multicast server transmits data over one or more multicast channels).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Rizzo into the Protocol for multicast communication of Bell, because transmitting said first and second set of announcements would provide a way to efficient allocation and use of the primary communication channels for data set transmission.

Bell / Rizzo do not teach, "providing a second set of announcements describing at least one updated multimedia session";

However, Golden teaches, "providing a second set of announcements describing at least one updated multimedia session" at col. 8, lines 26-49, col. 19, lines 19-27, col. 20, lines 66-67 and col. 21, lines 1-10 (about "announcement...", see "notification" for the updated multimedia session);

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Golden into the Network for providing switched

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broadband multipoint/multimedia intercommunication of Bell / Rizzo, because providing a second set of announcements describing at least one updated multimedia session would provide a way to efficiently combine the capabilities of existing circuit-switched networks with the capabilities of the existing packet-switched infrastructure of the Internet for seamless access and control by an end-user.

As to claim 2, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising providing said first set of announcements through a first channel and providing said second set of announcements through a second, different channel” see Rizzo, Fig. 7 and paragraphs [0009], [0010] and [0012], see “... fifth column 710 storing the announcement identification number of the index channel announcement for each indexed channel...” at Para. [0094].

As to claim 5, Bell/ Rizzo / Golden teaches, “a method according to claim 1, wherein providing said first set of announcements and providing said second set of announcements comprises providing said first set of announcements through a first IP address and providing said second set of announcements through a second, different IP address respectively” see Rizzo, “a single well known IP multicast group address, otherwise known as a multicast channel, is assigned for SAP announcements” at Para. [0010] and “Multicast transmissions are made on the multicast network 102 using IP multicast group addresses” at [0065]. Also see at paragraphs [0009], and [0094], thus a set of announcements are assigned to the different IP addresses.

As to claim 7, Bell/ Rizzo / Golden teaches, “a method according to claim 1, wherein providing said first set of announcements and providing said second set of

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announcements comprises providing said first set of announcements through a first port number and providing said second set of announcements through a second, different port number respectively" see Rizzo, Fig. 7 and "a second column 704 storing the IP multicast group address allocated to each multicast channel" at Para. [0094] and also see at Paragraphs [0009], [0010], [0012] and [0094], therefore, announcements are provided through a port number.

As to claim 9, Bell / Rizzo / Golden teaches, "a method according to claim 1, wherein providing said first set of announcements and providing said second set of announcements comprises including in each announcement of said first set of announcements data for identifying said announcement as an announcement which describes a one of said plurality of sessions and in each announcement of said second set of announcements data for identifying said announcement as an announcement which describes a one of said at least one updated session" see Rizzo, "SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions" at paragraph [0012]. Also see at paragraphs [0009] and [0012], thus, the announcement includes updated session.

As to claim 10, Bell / Rizzo / Golden teaches, "a method according to claim 1, wherein providing said first set of announcements and providing said second set of announcements comprises including in each announcement of said first set of announcements respective data for specifying a position of a corresponding session within a first portion of a session directory and including in each announcement of said second set of announcements respective data for specifying a position of a

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corresponding session within a second portion of the session directory,” see Rizzo, “In FIG. 10e the receiver for channel “test1” has been activated by receipt of the updated index announcement status for “test1” becomes running-active” at paragraph [0117] and “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions” at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]; see status of announcement for the position of the announcement.

As to claim 13, Bell / Rizzo / Golden teaches, “a method according to claim 1, further comprising providing a third set of announcements describing another plurality of sessions including said at least one updated session”, see Rizzo, “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions” at paragraph [0012]. Also see Rizzo, paragraphs [0024], [0075] and [0087].

As to claim 15, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising arranging the providing of said second set of announcements after the providing of said first set of announcements” see Rizzo, “a sub set of announcements that are transmitted on a particular multicast channel or announcement” at Para [0074] Also see at Paragraphs [0010], [0012] and [0024] for the set of announcements.

As to claim 17, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising transmitting said first set of announcements according to a session announcement protocol (SAP)”, see Rizzo, “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia

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sessions” at paragraph [0012]. Also see paragraphs [0009], [0010] and [0024] for announcement protocol (SAP).

As to claim 18, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising transmitting said first set of announcements according to a unidirectional transport protocol”, See Rizzo, “the following analysis compares the protocol with the requirements for known unicast client/server approaches” at paragraph [0096]. Also see at figs. 4, 6 (c) and 7, and see paragraphs [0019], [0068] and [0077] for unidirectional transport protocol.

As to claim 21, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising transmitting said first set of announcements according to user datagram protocol” see Golden, “the originating workstation interface can “time-stamp” packets containing audio and packets containing video so that even if the packets do not arrive at the receiving workstation interface at exactly the same time...” at col. 13, lines 60-67 and col. 14, lines 1-8. Also see at “abstract” and col.45, lines 46-67 (Examiner interpreted “datagram” with the data “packets”).

As to claim 22 Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising including a description of a corresponding session in each announcement” see Bell, “The session description of the present invention simplifies this process by allowing the necessary communication channels and media streams to be identified in the session description” at col. 4, lines 3-24 and also, see at col.6, lines 53-60 for session description.

As to claim 23 Bell/ Rizzo / Golden teaches, "a method according to claim 1, comprising including a description of a corresponding session arranged according to session description protocol (SDP) in each announcement". See Rizzo, "Standard session descriptions are generated using Session Description Protocol(SDP), as defined in the Internet Engineering Task Force's draft RFC 2327" at Para. [0009]. Also see at paragraphs [0010] and [0024] for SDP.

As to claim 25, Bell / Rizzo / Golden teaches, "a method according to claim 1, comprising providing said first set of announcements as a series of linked messages" see Bell, "It is possible to provide a modular description system in which a distributed announcement contains links available to the end user to other portions of the announcement which have not been transmitted" at Col. 3, lines 18-29.

As to claim 26, Bell/ Rizzo / Golden teaches, "a method according to claim 1, comprising providing said first set of announcements in a first set of time slots and providing said second set of announcements in a second set of time slots, each timeslot of said first set of timeslots being provided at a different time from each timeslot of said second set of timeslots," see Bell, "The minimum information a session description may contain is a time and date that the session will be active and the group IP multicast address (es) from which the end user may elect to receive one or more media streams and to which they could send their own streams for the session" at col. 5, lines 55-61. Also see at col. 4, lines 3-24 and col.6, lines 53-60 for the timeslot of the announcement.

As to claim 27, Bell / Rizzo / Golden teaches, “a method according to claim 1, comprising multiplexing said first and second sets of announcements,” see Golden, “A facility is node-pair specific; if, for example, a DS1 connects two nodes in the network, but happens to be multiplexed onto a DS3 by multiplexer” at col. 47, lines 30-48.

As to claim 28, Bell/ Rizzo / Golden teaches, “a method according to claim 1, further comprising providing a third set of announcements identifying said at least one updated session,” see Rizzo, “In FIG. 10e the receiver for channel “test1” has been activated by receipt of the updated index announcement status for “test1” becomes running-active” at paragraph [0117] and “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions” at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]; see status of announcement for the position of the announcement.

As to claim 29, Bell/ Rizzo / Golden teaches, “a method according to claim 1, wherein providing the second set of announcements describing the at least one updated session comprises providing a set of announcements identifying the at least one updated session” see Rizzo, “In FIG. 10e the receiver for channel “test1” has been activated by receipt of the updated index announcement status for “test1” becomes running-active” at paragraph [0117] and “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions” at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session.

As to claim 31, Bell / Rizzo / Golden teaches, “a method according to claim 1, wherein providing the second set of announcements describing the at least one updated session comprises providing a set of notifications pointing to the at least one updated session” see Rizzo, “In FIG. 10e the receiver for channel “test1” has been activated by receipt of the updated index announcement status for “test1” becomes running-active” at paragraph [0117] and “SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions” at Para. [0012]. also, see Paragraph [0024] for updated session and notification.

As to claim 34, Bell/ Rizzo / Golden teaches, “a method according to claim 1, comprising transmitting at least one of said sets of announcements according to asynchronous layered coding (ALC) protocol” at col. 8, lines 26-49, col. 19, lines 19-27, col. 20, lines 66-67 and col. 21, lines 1-10 (about “announcement...”, see “notification” for the updated multimedia session), also see at col. 3, lines 1-25 and col. 47, lines 30-48.

As to claim 43, Bell teaches, a method comprising:

- “selectively receiving a first set of announcements describing a plurality of multimedia sessions transmitted through a network” at “abstract”, at col. 4, lines 3-24 and col.6, lines 53-60, (multimedia applications require teams with skills in audio and video coding, network transport protocols, real time programming, user interface design and integration techniques. The session description of the present invention simplifies this process by allowing the necessary

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communication channels and media streams to be identified in the session description).

Bell does not teach, "accessing at least one of the plurality of multimedia sessions; selectively receiving a second set of announcements describing at least one updated multimedia session";

Rizzo teaches, "accessing at least one of the plurality of multimedia sessions" at Para. [0006], [0010], [001] and [0012], (a multicast server transmits data over one or more multicast channels which one or more client receivers join or subscribe to.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Rizzo into the Protocol for multicast communication of Bell, because accessing at least one of the plurality of multimedia sessions would provide a way to efficient allocation and use of the primary communication channels for data set transmission.

Bell/ Rizzo does not teach, "selectively receiving a second set of announcements describing at least one updated multimedia session";

However, Golden teaches, "selectively receiving a second set of announcements describing at least one updated multimedia session" at Para. [0014], [0015] and [0076],

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Golden into the Network for providing switched broadband multipoint/multimedia intercommunication of Bell/ Rizzo, because selectively

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receiving a second set of announcements describing at least one updated multimedia session would provide a way to efficiently combine the capabilities of existing circuit-switched networks with the capabilities of the existing packet-switched infrastructure of the Internet for seamless access and control by an end-user.

As to claim 44, Bell / Rizzo / Golden teaches, "a method according to claim 43, further comprising determining whether all of said first set of announcements have been received" see Rizzo, "In FIG. 10e the receiver for channel "test1" has been activated by receipt of the updated index announcement status for "test1" becomes running-active" at paragraph [0117] and "SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions" at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session.

As to claim 45, Bell / Rizzo / Golden teaches, "a method according to claim 44, further comprising selecting not to receive further said first set of announcements and selecting to receive said second set of announcements" see Rizzo, "In FIG. 10e the receiver for channel "test1" has been activated by receipt of the updated index announcement status for "test1" becomes running-active" at paragraph [0117] and "SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions" at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session.

As to claim 53, Bell teaches, a method comprising:

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- "listening to a first set of announcements describing a plurality of sessions; determining whether said first set of announcements have been received" at "abstract", at col. 4, lines 3-24 and col. 6, lines 53-60, (multimedia applications require teams with skills in audio and video coding, network transport protocols, real time programming, user interface design and integration techniques. The session description of the present invention simplifies this process by allowing the necessary communication channels and media streams to be identified in the session description).

Bell does not teach, "if said first set of announcements have been received, then stopping listening to said first set of announcements; "

Rizzo teaches, "if said first set of announcements have been received, then stopping listening to said first set of announcements" at Para. [0006], [0010], [001] and [0012], (a multicast server transmits data over one or more multicast channels which one or more client receivers join or subscribe to.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Rizzo into the Protocol for multicast communication of Bell, because if said first set of announcements have been received, then stopping listening to said first set of announcements would provide a way to efficient allocation and use of the primary communication channels for data set transmission.

Bell / Rizzo do not teach, "listening to a second set of announcements describing at least one updated session";

However, Golden teaches, "listening to a second set of announcements describing at least one updated session" at col. 8, lines 26-49, col. 19, lines 19-27, col. 20, lines 66-67 and col. 21, lines 1-10 (about "announcement...", see "notification" for the updated multimedia session);

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Golden into the Network for providing switched broadband multipoint/multimedia intercommunication of Bell/ Rizzo, because listening to a second set of announcements describing at least one updated session would provide a way to efficiently combine the capabilities of existing circuit-switched networks with the capabilities of the existing packet-switched infrastructure of the Internet for seamless access and control by an end-user.

As to claim 54, Bell/ Rizzo / Golden teaches, "a method according to claim 53, further comprising: stopping listening to a third. set of announcements describing a further plurality of sessions including said at least one updated session" see Rizzo, "In FIG. 10e the receiver for channel "test1" has been activated by receipt of the updated index announcement status for "test1" becomes running-active" at paragraph [0117] and "SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions" at Para. [0012]. also, see

Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session.

As to claim 55, Bell teaches, a apparatus comprising:

- “a processor configured to provide a first set of announcements describing a plurality of multimedia sessions transmitted through a network” at “abstract”, at col. 4, lines 3-24 and col.6, lines 53-60, (multimedia applications require teams with skills in audio and video coding, network transport protocols, real time programming, user interface design and integration techniques. The session description of the present invention simplifies this process by allowing the necessary communication channels and media streams to be identified in the session description).

Bell does not teach, “further configured to provide a second set of announcements describing at least one updated multimedia session”;

Rizzo teaches, “further configured to provide a second set of announcements describing at least one updated multimedia session” at Para. [0006], [0010], [001] and [0012], (a multicast server transmits data over one or more multicast channels which one or more client receivers join or subscribe to.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Rizzo into the Protocol for multicast communication of Bell, because further configured to provide a second set of

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announcements describing at least one updated multimedia session would provide a way to efficient allocation and use of the primary communication channels for data set transmission.

Bell/ Rizzo does not teach, "an output configured to transmit the first and second sets of announcements";

However, Golden teaches, "an output configured to transmit the first and second sets of announcements" at col. 8, lines 26-49, col. 19, lines 19-27, col. 20, lines 66-67 and col. 21, lines 1-10 (about the sets of "announcement...", see "notification" for the updated multimedia session);

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Golden into the Network for providing switched broadband multipoint/multimedia intercommunication of Bell / Rizzo, because an output configured to transmit the first and second sets of announcements would provide a way to efficiently combine the capabilities of existing circuit-switched networks with the capabilities of the existing packet-switched infrastructure of the Internet for seamless access and control by an end-user.

As to claim 58, Bell teaches, a apparatus comprising:

- "a processor; and a receiver configured to provide a first set of announcements describing a plurality of multimedia sessions transmitted through a network and to provide the first set of announcements to the processor" at "abstract", at col. 4,

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lines 3-24 and col.6, lines 53-60, (multimedia applications require teams with skills in audio and video coding, network transport protocols, real time programming, user interface design and integration techniques. The session description of the present invention simplifies this process by allowing the necessary communication channels and media streams to be identified in the session description).

Bell does not teach, "the receiver further configured to provide a second set of announcements describing at least one updated multimedia session";

Rizzo teaches, "the receiver further configured to provide a second set of announcements describing at least one updated multimedia session" at Para. [0006], [0010], [001] and [0012], (a multicast server transmits data over one or more multicast channels which one or more client receivers join or subscribe to.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Rizzo into the Protocol for multicast communication of Bell, because the receiver further configured to provide a second set of announcements describing at least one updated multimedia session would provide a way to efficient allocation and use of the primary communication channels for data set transmission.

Bell/ Rizzo does not teach, "provide the second set of announcements to the processor";

However, Golden teaches, "provide the second set of announcements to the processor" at col. 8, lines 26-49, col. 19, lines 19 -27, col. 20, lines 66-67 and col. 21, lines 1-10 (about the sets of "announcement...", see "notification" for the updated multimedia session);

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teachings of Golden into the Network for providing switched broadband multipoint/multimedia intercommunication of Bell/ Rizzo, because provide the second set of announcements to the processor would provide a way to efficiently combine the capabilities of existing circuit-switched networks with the capabilities of the existing packet-switched infrastructure of the Internet for seamless access and control by an end-user.

As to claim 59, Bell / Rizzo / Golden teaches, "an apparatus according to claim 58, comprising: means for determining whether said first set of announcements has been received; said apparatus being configured such that if said determining means determines that said first set of announcements has been received, then the receiver is configured to receive said second set of announcements" see Rizzo, Para. [0009], [0010], [0024] and [0012].

As to claim 60, Bell/ Rizzo / Golden teaches, An apparatus according to claim 59, wherein: the receiver is further configured to selectively receive a third set of announcements describing another plurality of multimedia sessions including said at least one updated session" see Rizzo, Para. [0009], [0010], [0024] and [0012]; "said

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apparatus is configured such that if the processor determines that said first set of announcements has been received, then the receiver is configured not to receive or not to forward said third set of announcements" see Bell, at "abstract", at col. 4, lines 3-24 and col.6, lines 53-60

As to claim 61, Bell/ Rizzo / Golden teaches, "apparatus according to claim 60 which is a mobile communications device" see Bell, "abstract".

As to claim 75, Bell/ Rizzo / Golden teaches, "a method according to claim 43 wherein the second set of announcements describing the at least one updated multimedia session are in the form of a set of announcements identifying the at least one updated multimedia session" see Rizzo, "In FIG. 10e the receiver for channel "test1" has been activated by receipt of the updated index announcement status for "test1" becomes running-active" at paragraph [0117] and "SAP has been designed to support one instance of a very specific application, that is to say, a global directory for multimedia sessions" at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session;

As to claim 76, Bell/ Rizzo / Golden teaches, "a method according to claim 45 further comprising selecting to receive a third set of announcements describing another plurality of multimedia sessions including said at least one updated multimedia session" see Rizzo, "In FIG. 10e the receiver for channel "test1" has been activated by receipt of the updated index announcement status for "test1" becomes running-active" at paragraph [0117] and "SAP has been designed to support one instance of a very

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specific application, that is to say, a global directory for multimedia sessions” at Para. [0012]. also, see Paragraphs [0024], [0075], [0078]. Thus, a set of announcements are identifying at least one updated session;

As to claim 77, Bell/ Rizzo / Golden teaches, “a method according to claim 1 comprising transmitting at least one of said sets of announcements according to a protocol based on asynchronous layered coding protocol” see Golden at col. 8, lines 26-49, col. 19, lines 19-27, col. 20, lines 66-67 and col. 21, lines 1-10 (about “announcement...”, see “notification” for the updated multimedia session), also, see at col. 3, lines 1-25 and col. 47, lines 30-48.

Response to Arguments

8. Applicant’s arguments filed on 04/22/2009 with respect to **Claims 1, 2, 5, 7, 9, 10, 13, 15, 17, 18, 21-23, 25-29, 31, 34, 43-45, 53-55, 58-61, and 75-77** have been considered but are moot in view of the new ground(s) of rejection by over Bell et al. (U.S. Patent No. 7,181,526), Rizzo et al. (US Publication No. 2003/0147390) and Golden et al. (U.S. Patent No. 6,272,127).

Conclusion

9. Examiner’s Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although specified citations are representative of the teachings of the art and are applied to

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specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which indicate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

Contact Information

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad N. Rahman whose telephone number is 571-270-1631. The examiner can normally be reached on 7:30am - 5:00 pm, Mon - Fri. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mofiz Apu M can be reached on 572-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you


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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mohammad N Rahman/

Examiner, Art Unit 2161

Date: 10/17/2009


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